

WARM-UP

1. $3x - 1 = 8$

2. $\frac{1}{3}x - 2 = 9$

3. $\frac{2}{3}p - 9 = 11$

4. $15 = \frac{2}{5}f + 5$

Solving Equations with Variables on both sides of the equal sign!

This is serious ALGEBRA people!

A question . . .

?





HINT: You want the variables to be on 1 side of the equal sign and the numbers on the other side...To make that happen, what should you do first??



Try these on your own!

3. $7t = 3t + 12$

4. $5r + 35 = -2r$



Check



Check

Homework!!!!

Questions on homework?

Responders

Solving Equations
with
Variables on Both Sides
(3 terms)

Day 2

1 $7m + 15 = 2m$

A $m = -3$

B $m = 3$

C $m = 15/9$ or $1 \frac{2}{3}$

D $m = 9/15$

$$\begin{array}{rcl} 7m + 15 & = & 2m \\ -7m & & -7m \\ 15 & = & -5m \\ \hline -5 & = & -5 \\ -3 & = & -1m \end{array}$$

2 $8w = 21 + w$

A $w = 21/9$ or $2 \frac{1}{3}$

B $w = 7$

C $w = 3$

D $w = 9/21$

$$\begin{array}{r} 8w = \boxed{21} + w \\ \hline 7w \quad -w \\ 7w \quad -w \\ \hline 717 \\ \hline w = 3 \end{array}$$

3 $12r - 27 = 3r$

A $r = -9$

B $r = 3$

C $r = -3$

D $r = 9$

$$\begin{array}{rcl} 12r - 27 & = & 3r \\ -12r & & +12r \\ \hline -27 & = & -9r \\ -9 & & -9 \\ \hline -36 & = & -9r \\ 3 & & \div r \end{array}$$

We can do this! It's go time . . .

Homework Time